| <br>ex of Cl |  |
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| Appli | cation/ | Contro | ol No. |
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|-------|---------|--------|--------|

09/848,621

Examiner Namrata Boveja Applicant(s)/Patent under Reexamination

OGAKI ET AL.

Art Unit

3622

| 1 | Rejected |
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| = | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Claim   | Clá   | im       | ı            |          |          |          | 721      |          |          |        | _ |   | Cla   | im       | Γ |   |    |   | ) at | _ |
|---|-------|----------|--------------|----------|----------|----------|----------|----------|----------|--------|---|---|-------|----------|---|---|----|---|------|---|
| 1   \lambda   \lambda | - 016 | 11111    |              |          |          |          | Jan      |          |          | Ι      | П |   | Cic   | 21111    | Н |   |    |   |      | Ē |
| 2   V   | Final | Original | 12/8/05      |          |          |          |          |          |          |        |   |   | Final | Original |   |   |    |   |      |   |
| 2   V   |       | 1        | 1            |          |          | _        |          |          |          | _      |   |   |       | 51       |   |   |    |   |      | Τ |
| 3   |       | 2        |              |          |          | 1        |          | $\vdash$ |          | _      | П |   |       | 52       |   |   |    |   |      | Г |
| 4   √     5   √     6   √     7   √     8   -     9   √     10   √     11   √     60   -     61   -     62   -     13   √     63   -     64   -     65   -     66   -     17   -     18   -     19   -     20   -     21   -     22   -     23   -     24   -     25   -     26   -     27   -     78   -     29   -     30   -     31   -     32   -     33   -     34   -     35   -     36   -     37   -     38   - <td></td> <td></td> <td>1</td> <td></td> <td>53</td> <td></td> <td></td> <td></td> <td></td> <td>Г</td> <td>Γ</td>  |       |          | 1            |          |          |          |          |          |          |        |   |   |       | 53       |   |   |    |   | Г    | Γ |
| 5     V     55     56     7     V     56     7     V     56     7     V     57     58     59     V     59     0   |       |          | 1            |          |          |          |          |          |          |        |   |   |       | 54       |   |   |    |   |      | Г |
| 6   \lambda   \lambda |       |          | 1            |          | _        | _        |          |          | $\vdash$ |        |   |   |       | 55       |   |   |    |   |      | Γ |
| T   |       | 6        |              |          |          |          | $\vdash$ |          | Г        |        |   |   |       | 56       |   |   |    |   |      | Г |
| S   |       | 7        |              |          |          |          |          |          |          |        |   |   |       | 57       |   |   |    |   |      | Г |
| 9   V   60   60   61   61   62   63   64   64   65   66   65   66   67   67   68   69   69   69   69   69   69   69   |       |          |              |          |          |          |          |          | Г        | $\Box$ |   |   |       |          |   |   |    |   |      | Γ |
| 10   \( \sqrt{1} \)   |       | 9        | 1            |          |          |          |          |          |          |        |   |   |       | 59       |   |   |    |   |      | Γ |
| 111 √   61     12 √   62     13 √   63     14 4   64     15   65     16   66     17   67     18   68     19   69     20   70     21   71     22   72     23   73     24   74     25   75     26   76     27   77     28   79     30   80     31   81     32   82     33   83     34   84     35   86     37   88     39   89     40   90     41   91     42   92     43   93     44   94     45   96     46   96     47   97     96   96     47   97     48   98  |       |          | V            |          |          |          |          |          |          |        |   |   |       |          |   |   |    |   |      | Γ |
| 12   \  \   |       |          | V            |          |          |          |          |          |          |        |   |   |       |          |   |   |    |   |      | Г |
| 13   V  |       |          | 1            |          |          |          |          |          |          |        |   |   |       | 62       |   |   |    |   |      | Т |
| 14   64     15   65     16   66     17   67     18   68     19   69     20   70     21   71     22   72     23   73     24   74     25   75     26   76     27   77     28   78     29   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   90     41   91     42   92     43   94     44   94     45   96     47   97     48   98     49   99   |       |          |              |          |          |          |          |          |          |        |   |   |       | 63       |   |   |    |   |      | T |
| 15   65     16   66     17   68     18   69     20   70     21   71     22   72     23   73     24   74     25   75     26   76     27   77     28   78     29   79     30   80     31   81     32   83     33   84     35   85     36   86     37   87     38   88     39   90     41   91     42   92     43   94     44   94     45   96     47   97     48   98     49   99   |       |          |              |          |          |          |          | -        | _        | _      |   |   |       | 64       |   |   |    |   |      | T |
| 16   17     18   66     19   68     20   70     21   71     22   72     23   73     24   74     25   75     26   76     27   78     29   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   88     39   89     40   90     41   91     42   92     43   94     44   95     46   96     47   97     48   98     49   99   |       |          |              |          | $\vdash$ |          |          |          |          | Г      |   |   |       | 65       |   |   |    |   |      | T |
| 17   18   67   68     19   68   69   70     21   71   72   73     22   73   73   73     24   74   74   74     25   76   77   78     29   79   30   80     31   81   82     33   84   85     36   86   86     37   87   87     38   88   89     40   90   90     41   91   92     43   94   94     45   95   96     47   97   98     49   99   99  |       |          |              |          |          |          |          |          |          |        |   |   |       |          |   |   |    |   |      | T |
| 18   68     19   69     20   70     21   71     22   73     23   73     24   74     25   75     26   76     27   77     28   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   94     44   94     45   95     46   96     47   97     48   98     49   99   |       |          |              |          |          |          |          |          |          |        |   |   |       | 67       | - |   | Γ. |   |      | T |
| 19   69     20   70     21   71     22   72     23   74     25   75     26   76     27   77     28   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   90     41   91     42   92     43   94     44   94     45   96     47   97     48   98     49   99   |       | 18       |              |          |          |          |          |          |          |        |   |   |       | 68       | T |   |    |   |      | T |
| 20   70     21   71     22   72     23   74     25   75     26   76     27   77     28   78     29   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   90     41   91     42   92     43   94     44   94     45   96     47   97     48   98     49   99   |       |          | <b>-</b>     |          | _        |          |          |          |          |        |   |   |       | 69       |   |   | _  |   |      | T |
| 21   71     22   72     23   73     24   74     25   75     26   76     27   77     28   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   90     41   91     42   92     43   94     44   94     45   96     47   97     48   98     49   99   |       |          |              |          |          | T        |          |          |          |        |   |   |       | 70       |   |   |    |   |      | Τ |
| 22   72     23   73     24   74     25   75     26   76     27   77     28   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   94     44   94     45   96     47   97     48   98   |       | 21       |              | _        | T        |          |          |          |          |        |   |   |       |          |   |   |    |   |      | T |
| 23   73     24   74     25   75     26   76     27   77     28   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   94     45   95     46   96     47   97     48   98   |       |          | <b>-</b>     |          | <u> </u> |          |          |          |          |        |   |   |       | 72       |   |   |    |   |      | T |
| 24   74     25   75     26   76     27   77     28   78     29   79     30   80     31   81     32   82     33   83     34   84     35   86     37   87     38   88     39   89     40   90     41   91     42   92     43   94     44   94     45   96     47   97     48   98   |       |          |              |          |          | $\vdash$ |          | _        |          |        | Г |   |       | 73       |   |   |    |   | Г    | T |
| 25 75   26 76   27 77   28 78   29 79   30 80   31 81   32 82   33 83   34 84   35 85   36 87   38 88   39 90   41 91   42 92   43 94   44 94   45 96   47 97   48 98   49 99   |       |          |              |          |          |          |          | T        |          |        |   |   |       | 74       |   |   |    |   |      | Τ |
| 26   76     27   77     28   78     29   80     30   81     31   82     33   83     34   84     35   85     36   86     37   87     38   88     39   90     41   91     42   92     43   94     44   94     45   96     47   97     48   98     49   99   |       |          |              |          |          |          |          |          | Г        | _      |   |   |       | 75       |   |   |    |   |      | Τ |
| 27     28     77     78     79     79     79     79     80     80     81     81     81     82     83     83     83     83     83     83     84     85     86     85     86     86     87     88     88     89<  |       | 26       |              |          | _        |          |          |          |          |        |   |   |       | 76       |   |   |    |   |      | T |
| 28 78   29 79   30 80   31 81   32 82   33 83   34 84   35 85   36 86   37 87   38 89   40 90   41 91   42 92   43 94   44 94   45 96   47 97   48 98   49 99   |       | 27       |              |          |          |          |          |          |          |        |   |   |       |          |   |   |    |   |      | T |
| 29 79   30 80   31 81   32 82   33 83   34 84   35 85   36 86   37 87   38 89   40 90   41 91   42 92   43 94   44 94   45 96   47 97   48 98   49 99   |       |          | <del> </del> | _        |          |          |          |          |          |        |   |   |       |          |   |   |    |   |      | T |
| 30 80   31 81   32 82   33 83   34 84   35 85   36 86   37 87   38 89   40 90   41 91   42 92   43 93   44 94   45 96   47 97   48 98   49 99   |       | 29       |              |          |          | _        |          |          |          |        |   |   |       | 79       |   |   |    |   | Г    | T |
| 31 81   32 82   33 83   34 84   35 85   36 86   37 87   38 88   39 89   40 90   41 91   42 92   43 93   44 94   45 96   47 97   48 98   49 99   |       |          |              | -        |          |          |          |          |          |        |   |   |       |          |   | _ |    |   |      | T |
| 32 82   33 83   34 84   35 85   36 86   37 87   38 88   39 89   40 90   41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99   |       |          |              | <u> </u> | _        | _        |          |          | 1        |        |   |   |       |          |   |   | _  |   | T    | T |
| 33 83   34 84   35 85   36 86   37 88   39 89   40 90   41 91   42 92   43 93   44 94   45 96   47 97   48 98   49 99   |       | 32       |              |          |          |          |          |          |          |        |   |   |       | 82       |   |   |    |   |      | T |
| 34 84   35 85   36 86   37 87   38 87   39 89   40 90   41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99   |       |          | <b></b>      |          |          |          |          |          |          |        |   |   |       | 83       | П |   |    |   |      | T |
| 35 85   36 86   37 87   38 87   39 88   40 90   41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99   |       |          |              |          |          |          |          |          |          |        |   |   |       |          |   |   |    |   |      | Т |
| 36 86   37 87   38 88   39 89   40 90   41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99   |       |          |              |          | _        |          |          | Г        |          |        |   |   |       | 85       |   |   |    |   | Г    | T |
| 37 87   38 88   39 89   40 90   41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99   |       |          | <u> </u>     |          |          |          |          |          |          |        |   |   |       |          |   |   |    |   | Π    | Τ |
| 38 88   39 89   40 90   41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99   |       |          |              |          |          |          |          |          |          |        |   | ĺ |       | 87       |   |   |    |   |      | T |
| 39 89   40 90   41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99   |       |          |              |          |          |          |          | Π        | П        | Г      |   | 1 |       |          |   |   |    |   |      | T |
| 40 90   41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99   |       |          | Г            |          |          |          | Г        | П        |          |        |   | 1 |       |          |   |   |    |   |      | Τ |
| 41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99   |       | 40       |              |          |          |          |          |          |          |        |   | 1 |       | 90       |   |   |    |   |      | T |
| 42  |       |          | T            |          |          | T-       | 1        |          |          |        | Π | 1 |       | 91       |   |   |    |   | Г    | T |
| 43  |       | 42       |              |          |          |          |          |          |          |        |   | 1 |       | 92       |   |   |    |   |      | Τ |
| 44  |       | 43       |              |          |          |          |          | Γ        |          |        | - |   |       | 93       |   |   |    |   |      | T |
| 45 95 96 96 97 97 97 98 98 99 99 99   |       | 44       |              |          |          |          |          |          | L        |        |   |   |       | 94       |   | L |    |   |      | Γ |
| 46 96 97 97 98 98 99 99 99  |       | 45       |              |          |          |          |          | Γ        |          |        |   |   |       | 95       | Γ |   |    |   |      | Τ |
| 47 97 98 98 99 99 99  |       | 46       |              |          |          |          |          |          |          |        |   |   |       | 96       |   |   |    |   |      | Γ |
| 48 98 99  |       | 47       |              |          |          |          |          |          |          |        |   | ] |       | 97       |   |   |    |   |      | Γ |
| 49 99 99  |       | 48       |              |          |          | L        | L        |          |          |        |   |   |       | 98       |   |   |    |   |      | T |
|   |       |          | Ŀ            | $\Box$   |          |          |          |          |          |        |   |   |       | 99       |   |   |    |   |      | Γ |
|   |       |          |              |          |          |          |          |          |          |        |   | ] |       | 100      |   |   |    | L | L    | Γ |

|   | Cla   | im             | Date         |              |  |              |          |              |          |  |                |  |
|---|-------|----------------|--------------|--------------|--|--------------|----------|--------------|----------|--|----------------|--|
|   | Final | Original       |              |              |  |              |          |              |          |  |                |  |
|   |       | 0              |              |              |  |              |          |              |          |  |                |  |
|   |       | 51             | _            |              | _  |              |          |              |          |  |                |  |
|   |       | 51<br>52       |              |              |  |              |          |              |          |  |                |  |
|   |       | 53             |              |              |  |              |          |              |          |  |                |  |
|   |       | 54             |              |              |  |              |          |              |          |  |                |  |
| ļ |       | 54<br>55       |              |              |  |              |          |              |          |  |                |  |
| 1 |       | 56             |              |              |  |              |          |              |          |  |                |  |
|   |       | 57             |              |              |  |              |          |              |          |  |                |  |
|   |       | 58             |              |              |  |              |          |              |          |  |                |  |
|   |       | 59             |              | L.           |  |              |          |              |          |  |                |  |
|   |       | 60             |              |              |  |              |          |              |          |  |                |  |
|   |       | 61             |              |              |  | ļ            |          |              |          |  |                |  |
|   |       | 62             |              | <u></u>      | ļ  |              |          |              |          |  |                |  |
|   |       | 63             |              | _            | <u> </u>   |              | _        |              |          |  | _              |  |
|   |       | 64             |              | <u> </u>     | $\vdash$   |              | <u> </u> |              |          |  | -              |  |
|   |       | 65<br>66       | _            | <u> </u>     | H  | <u> </u>     | -        |              |          |  | -              |  |
| 1 |       | 67             |              | <del> </del> | ├  | _            |          |              | -        |  |                |  |
|   |       | 68             |              |              | ├─   |              |          |              | -        | $\vdash$   |                |  |
|   |       | 69             |              | <del> </del> |  | $\vdash$     |          |              |          | $\vdash$   |                |  |
|   |       | 70             | $\vdash$     | $\vdash$     |  | $\vdash$     | H        |              |          |  |                |  |
|   |       | 71             | ├─           | -            |  |              |          |              |          |  |                |  |
|   |       | 72             | <del> </del> |              | $\vdash$   | $\vdash$     |          |              |          |  |                |  |
|   |       | 71<br>72<br>73 | $\vdash$     | $\vdash$     |  | $\vdash$     | $\vdash$ |              |          |  |                |  |
|   |       | 74             |              |              |  |              |          |              |          |  |                |  |
|   |       | 74<br>75       | $\vdash$     | $\vdash$     |  |              |          |              | _        |  | _              |  |
|   |       | 76             | _            | _            | T-   | _            |          |              |          |  |                |  |
|   |       | 77             |              | _            |  |              |          |              |          |  |                |  |
|   |       | 78             |              |              |  |              |          |              |          |  |                |  |
|   |       | 79             |              |              |  |              |          |              |          |  |                |  |
|   |       | 80             |              |              |  |              |          |              |          |  |                |  |
|   |       | 81             |              |              |  |              |          |              |          |  |                |  |
|   |       | 82<br>83       | _            |              |  |              |          |              |          |  |                |  |
|   |       | 83             |              | _            |  |              |          |              |          |  |                |  |
|   |       | 84             | $oxed{oxed}$ | _            |  | L            | _        | ,            |          |  |                |  |
|   |       | 85             |              | _            | _  |              | _        | _            | _        |  |                |  |
|   |       | 86             | <u> </u>     | <u> </u>     |  | ļ            |          | <u> </u>     |          | <u> </u>   | <u> </u>       |  |
|   |       | 87             |              |              | -  |              | _        | <u> </u>     |          |  | <u> </u>       |  |
|   |       | 88             |              |              | -  |              |          |              |          |  | <u> </u>       |  |
|   |       | 89             |              |              | <u> </u>   |              |          | H            | _        |  | <u> </u>       |  |
|   |       | 90<br>91       | _            |              |  | $\vdash$     | -        | -            | ┝        | -  | -              |  |
|   |       | 92             |              | -            | <del>                                     </del> | $\vdash$     | -        | _            | _        | -  |                |  |
|   |       | 93             |              | $\vdash$     | $\vdash$   | $\vdash$     | $\vdash$ | <del> </del> | $\vdash$ | -  | <del>  -</del> |  |
|   |       | 94             | -            | $\vdash$     | H  | $\vdash$     | <u> </u> | -            |          | $\vdash$   |                |  |
|   |       | 95             |              | -            | <del>                                     </del> | <del> </del> | $\vdash$ | $\vdash$     | $\vdash$ |  | $\vdash$       |  |
|   |       | 96             | 1            | $\vdash$     | t  |              |          | <u> </u>     | $\vdash$ |  | $\vdash$       |  |
|   |       | 97             |              | T            |  |              |          |              |          |  |                |  |
|   |       | 98             |              | 1            |  |              |          |              |          | <del>                                     </del> | Ī              |  |
|   |       | 99             |              |              |  |              |          |              |          |  | · ·            |  |
|   |       | 100            | Г            |              |  |              |          | г            |          |  |                |  |

| Claim        |                                 | Date   |  |  |  |          |  |          |                |                |
|--------------|---------------------------------|--|--|--|--|----------|--|----------|----------------|----------------|
|              |                                 | -  |  |  |  |          |  |          |                | П              |
| Final        | Original                        |  |  |  |  |          |  |          |                | ŀ              |
| ίΞ           | Oriç                            |  |  |  |  |          |  | ٠        |                |                |
|              | 101                             |  |  |  | _  | _        |  | _        |                |                |
|              | 102                             |  |  |  |  |          |  |          |                |                |
|              | 103                             |  |  |  |  |          |  |          |                |                |
|              | 104                             |  |  |  |  |          |  |          |                |                |
|              | 105<br>106                      | _  | <u> </u>   |  | <u> </u>   |          |  |          |                |                |
|              | 106                             | <u> </u>   |  | ļ  |  |          | L  |          |                |                |
|              | 107                             |  |  |  |  |          |  |          |                | $\vdash$       |
|              | 108<br>109                      |  |  | -  |  |          |  |          | $\vdash$       | $\vdash$       |
|              | 110                             |  |  |  | _  |          |  |          | -              |                |
|              | 111                             | $\vdash$   |  |  |  |          | -  |          |                | $\vdash$       |
|              | 112                             |  | _  |  |  |          |  |          |                |                |
|              | 113                             | $\vdash$   |  |  |  |          |  |          | $\vdash$       |                |
|              | 114                             |  |  | Γ  | П  |          |  |          |                | П              |
|              | 113<br>114<br>115               |  |  |  |  |          |  |          |                |                |
|              | 116<br>117                      |  |  |  |  |          |  |          |                |                |
|              | 117                             |  |  |  |  | _        | L  |          |                |                |
|              | 118                             | _  | L_   |  |  |          |  |          |                |                |
|              | 119<br>120                      |  | _  |  |  |          | _  |          |                |                |
|              | 120                             |  |  | -  | _  | _        | <u> </u>   | <u> </u> | <u> </u>       | Н              |
|              | 121                             |  |  |  | _  |          |  | <u> </u> | _              | Щ              |
|              | 122                             |  | _  | -  | $\vdash$   | <u> </u> | ⊢  | <u> </u> | <u> </u>       | Н              |
|              | 124                             |  |  |  | -  | -        | $\vdash$   | $\vdash$ | $\vdash$       | Н              |
|              | 121<br>122<br>123<br>124<br>125 | -  | $\vdash$   | _  | 一  |          | $\vdash$   |          | H              | Н              |
|              | 1 126                           |  | Н  | 一  |  |          | <b></b>  |          | _              |                |
|              | 127                             |  | $\vdash$   | Г  |  |          |  |          |                | П              |
|              | 128                             |  |  |  |  |          |  |          |                |                |
|              | 127<br>128<br>129               |  |  |  |  |          |  |          |                |                |
|              | 130<br>131                      |  | L  |  | <u> </u>   | _        | _  |          |                |                |
|              | 131                             | _  |  | <u> </u>   | <u> </u>   |          |  | <u> </u> |                |                |
|              | 132                             | <u> </u>   | <u> </u>   | <u> </u>   | <u> </u>   |          |  |          |                |                |
|              | 133<br>134                      | ⊢  |  | -  | <u> </u>   | _        | -  | -        | <del> </del> - |                |
|              | 135                             | -  | -  |  | -  | -        |  | $\vdash$ | $\vdash$       | $\vdash$       |
|              | 136                             | -  |  | <del> </del>                                     |  | -        | -  | -        | <del> </del>   |                |
|              | 137                             | -  | _  |  |  | -        | -  | -        | _              |                |
|              | 138                             |  |  |  |  |          |  |          |                |                |
|              | 138<br>139                      |  |  |  |  |          |  |          |                |                |
|              | 140                             | Ĺ  |  |  |  |          |  |          |                |                |
|              | 141                             | _  | _  |  |  |          | _  | _        | ┕              | Щ              |
|              | 142                             | _  | <u> </u>   | $\vdash$   | <u> </u>   |          | -  |          | <u> </u>       |                |
|              | 143<br>144                      | $\vdash$   | -  |  | <u> </u>   |          | -  | -        | $\vdash$       | $\vdash$       |
| <del></del>  | 144                             | ├  | -  | $\vdash$   |  | ├        | $\vdash$   | $\vdash$ | $\vdash$       | $\vdash$       |
| <b> </b>     | 145                             | ┢  | -  | ╁  | _  | _        | $\vdash$   | $\vdash$ | $\vdash$       | $\vdash\vdash$ |
| <del> </del> | 147                             | -  | <del> </del>                                     | <del>                                     </del> | <del>                                     </del> |          |  |          |                | $\vdash$       |
|              | 148                             | <del>                                     </del> | $\vdash$   | 1  |  | -        | $\vdash$   |          |                | H              |
|              | 149                             |  | <del>                                     </del> | t  | $\vdash$   | H        | <del>                                     </del> |          | 一              | Н              |
|              | 150                             | Г  | T  | T  |  |          |  |          |                | П              |
|              |                                 |  |  |  |  |          | -  |          | •              |                |